

P.B.5818 - Patentlaan 2 2280 HV Rijswijk (ZH) 2 +31 70 340 2040 TX 31651 epo nl FAX +31 70 340 3016 Europäisches Patentamt

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HOFFMANN - EITLE Patent- und Rechtsanwälte Arabellastrasse 4 81925 München ALLEMAGNE

EINGEGANGEN

- 9. Aug. 2001 Cf
HOFFMANN EITLE, MÜNCHEN
PATENTANWÄLTE RECHTSANWÄLTE

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Zeichen/Ref./Réf.

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Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire KABUSHIKI KAISHA TOSHIBA

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication

The following figure will be published together with the abstract:

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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EUROPEAN SEARCH REPORT

Application Number EP 00 12 0118

	DOCUMENTS CONSIDE	RED TO BE RELEVANT]
	Citation of document with inc		Relevant	CLASSIFICATION OF THE
ategory	of relevant passa	ges	to claim	APPLICATION (Int.CI.7)
χ .	FR 893 120 A (HERMES	;)	1	F25B5/02
	16 June 1944 (1944-0	06-16)		F25D11/02
1	* page 2, column 1,	line 2/ - page 3,	2-4	F25D21/06
	column 1, line 10; f	,		
Υ	US 4 959 968 A (FUKL	IDA TOSHIYUKI)	2,3	
	2 October 1990 (1990)-10-02)		
	* column 2, line 50	- column 4, line 21 *		
γ [']	US 4 084 388 A (NELS	SON LORNE W)	4	
	18 April 1978 (1978-	-04-18)		
		- column 2, line 22;		
	figure 1 *			
Χ	US 2 462 240 A (P.D.		1	
	22 February 1949 (19	949-02-22)		
	* column 3, line 13 figure 3 *	- column 5, line 55;		
Χ	US 5 465 591 A (CUR	NIHAT O ET AL)	1	TECHNICAL FIELDS
	14 November 1995 (19 * column 4, line 1 -	- column 6 *		SEARCHED (Int.CI.7)
	* column 5, line 42	- column 6, line 34;		F25B
	figure 7 *			F25D
Α	US 4 569 205 A (DEMI	POLL KAZUO FT AL)		
^	11 February 1986 (19	986-02-11)		
* ***	•			
	4 · 4	, in the second of the second		
				,
•				
				,
			_	
	The present search report has b		<u> </u>	Examiner
	Place of search	Date of completion of the search	Jos	ssen, F
	THE HAGUE	30 March 2001		
	CATEGORY OF CITED DOCUMENTS	T : theory or princi E : earlier patent d	ocument, but pub	e invention dished on, or
Y : par	ticularly relevant if taken alone ticularly relevant if combined with anoth	after the filing d oer D: document cited	l in the application	
A : tec	ument of the same category hnological background			
	n-written disclosure ermediate document	& : member of the document	same parent ram	ny, wiresponding

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 12 0118

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-03-2001

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
FR 893120	Α	16-06-1944	СН	229936 A	30-11-194
us 4959968	Α	02-10-1990	JP	1239366 A	25-09-198
00 1303300	• •		JP	1776780 C	28-07-199
			JP	4063311 B	09-10-199
			JP	1239367 A	25-09-198
		•	JP	1776781 C	28-07-199
			JP	4063312 B	09-10-199
			JP	1239368 A	25-09-198
			JP	1776782 C	28-07-199
			JP	4063313 B	09-10-199
			JP	1239369 A	25-09-198
			JP	2641480 B	13-08-19
			JP	1239365 A	25-09-19
			JP	2641481 B	13-08-19
			JP	1239370 A	25-09-19
			JP	1776783 C	28-07-19
			JP	4061273 B	30-09-19
		•	KR	9705538 B	17-04-19
		•	US	4989413 A	05-02-19
US 4084388	Α	18-04-1978	NONE		
US 2462240	Α	22-02-1949	NONE		
US 5465591	 A	14-11-1995	BR	9303378 A	15-03-19
00 5405551	• •		CA	2101416 A	15-02-19
			DE	69313959 D	23-10-19
		·	DE	69313959 T	05-02-19
			EP	0583905 A	23-02∸19
			ES	2106976 T	16-11-19
			MX	9304943 A	30-06-19
US 4569205	 A	11-02-1986	JP	60029576 A	14-02-19
	••		GB	2145210 A,B	20-03-19
			KR	8904526 B	10-11-19